

## Message Text

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ORIGIN EB-07

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DRAFTED BY EB/TD:DANDERSON:DB:DOT:CG:MSSINGER

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FM SECSTATE WASHDC

TO DEPARTMENT OF COMMUNICATIONS OTTAWA

TELEX NO 053 3342 (COMTEL OTT)

UNCLAS STATE 190117

E.O. 11652: N/A

TAGS: ETEL, ITU, CA, US

SUBJECT: COORDINATION OF ASSIGNMENT ON 100 KHZ FOR TWO  
LORAN-C (ACCURIX) STATIONS IN NEWFOUNDLAND

IN REPLY TO YOUR TELEX MESSAGE 650 OF 23 MAY 1975 TO  
COMMANDANT, UNITED STATES COAST GUARD, U.S. ADMINISTRATION  
PLEASED AGREE, UNDER NO. 166 OF RADIO REGULATIONS, TO  
PROPOSED USE OF 100 KHZ BY TWO LORAN-C (ACCURIX) STATIONS  
IN NEWFOUNDLAND, SUBJECT TO FOLLOWING CONDITIONS:

A. THAT NO HARMFUL INTERFERENCE IS CAUSED TO SERVICE OF  
STANDARD LORAN-C CHAINS OPERATING ON 100 KHZ, AND THAT  
IF INTERFERENCE SHOULD OCCUR, YOUR LICENSEE WILL MAKE  
NECESSARY MODIFICATION OR TERMINATE TRANSMISSIONS UNTIL  
INTERFERENCE IS REMOVED. WE NOTE PROXIMITY OF LORAN  
MONITORING STATION AT ST. ANTHONY (APPROX 51 22 N/55  
37 W) OPERATED BY MOT.

B. THAT AUTHORIZATION IS FOR TWO LORAN STATIONS TO  
OPERATE AS SUPPLEMENTARY SECONDARIES OF THE ANGISSOQ  
GREENLAND MASTER STATION, ONE AT PORT AUX BASQUES,  
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NFLD (47 35 00N, 59 10 00W) AND ST ANTHONY, NFLD (51 27

27N, 56 29 15W), AND THAT NO TRANSMISSIONS AT RATE 7970 (SL7) ARE AUTHORIZED.

C. THAT PEAK RADIATED POWER LEVEL OF EACH STATION WILL NOT EXCEED 18 KW,

D. THAT RADIATED SIGNAL WILL CONSIST OF A GROUP OF 8 PULSES SPACED 1000 MICROSECONDS APART AT A GROUP REPETITION INTERVAL OF 66,170 MICROSECONDS, WITH AN ENVELOPE SHAPE SIMILAR TO THE STANDARD LORAN-C PULSE, AND

E. THAT PHASE CODING WILL BE EITHER 0 DEG (PLUS) OR 180 DEG (MINUS), WITH THE CODING FORMAT REPEATING ITSELF EVERY TWO INTERVALS, FURTHER, THAT PHASE CODING WILL CONTAIN AN EQUAL NUMBER OF PLUSSES AND MINUSES IN EACH FORMAT AND HAVE A CROSS CORRELATION OF NEARLY ZERO WITH RESPECT TO STANDARD LORAN-C PHASE CODE WHEN AVERAGED OVER 1 OR 2 SECONDS.

REGARDS. SECSTATE, TLX 440 080 KISSINGER

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